

## Shukla, Ram

---

**From:** Shukla, Ram  
**Sent:** Friday, March 05, 2004 4:00 PM  
**To:** Bertoglio, Valarie; Chen, Shin-Lin; Crouch, Deborah; Falk, Anne; Jacobs, Dianiece; Kelly, Robert; Li, Janice; Nelson, Amy; Nguyen, Dave; Paras, Peter; Priebe, Scott; Reynolds, Deborah; Shukla, Ram; Ton, Thaian; Wehbe, Anne Marie; Wilson, Michael; Woitach, Joseph

Ready to allow:

A method of reducing depletion of non-autologous hematopoietic cells in a mammal which lacks functional endogenous B- and T-cells, comprising administering to the mammal an effective amount of dichloromethylene diphosphonate such that the number of endogenous macrophages are decreased to a level effective to reduce depletion of transplanted non-autologous hematopoietic cells.

A non-human mammal which lacks functional endogenous B- and T-cells, comprising human hematopoietic cells, wherein the non-human mammal contains a decreased level of endogenous macrophages sufficient to reduce depletion of non-autologous hematopoietic cells and wherein the decreased level of endogenous macrophages is achieved by administering to the mammal an effective amount of dichloromethylene diphosphonate.

A method of improving or restoring engraftment efficiency for transplantation of a population of non-autologous hematopoietic cells in a host mammal which lacks functional endogenous B- and T-cells, comprising transplanting non-autologous hematopoietic cells into a mammal lacking functional endogenous B- and T-cells in conjunction with administering to the mammal an effective amount of dichloromethylene diphosphonate which decreases the number of endogenous macrophages in the host mammal, thereby improving or restoring the engraft efficiency for transplantation of said non-autologous hematopoietic cells.

Effective filing date: 12/1993  
Inventors: Chen, Fraser, Weissman

*Ram R. Shukla, Ph.D.*

Primary Examiner  
AU 1632  
2D29 Remsen Bldg  
Mailbox 2C18  
Phone: (571) 272-0735  
Fax: (571) 273-0735